PCT

RAW SEQUENCE LISTING DATE: 03/29/2005
PATENT APPLICATION: **US/10/528,563** TIME: 15:23:26

Input Set : **A:\PTO.SR.txt**
Output Set: **N:\CRF4\03292005\J528563.raw**

```
      3 <110> APPLICANT: Cym1p A/S
      4       Jonson, Lars
      5       Rehfeld, Jens F.
      6       Johnsen, Anders H.
      8 <120> TITLE OF INVENTION: Methods for increasing the production of
      9       a recombinant polypeptide from a host cell
     12 <130> FILE REFERENCE: P32077PC01
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/528,563
C--> 14 <141> CURRENT FILING DATE: 2005-03-21
     14 <150> PRIOR APPLICATION NUMBER: DK/PA 2002 01391
     15 <151> PRIOR FILING DATE: 2002-09-20
     17 <160> NUMBER OF SEQ ID NOS: 68
     19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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Does Not Comply
Corrected Diskette Needed
(95.1-4)

ERRORED SEQUENCES

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     3071 <210> SEQ ID NO: 15
     3072 <211> LENGTH: 438
     3073 <212> TYPE: PRT
     3074 <213> ORGANISM: Mycobacterium tuberculosis
     3076 <400> SEQUENCE: 15
     3077  Met Pro Arg Arg Ser Pro Ala Asp Pro Ala Ala Ala Leu Ala Pro Arg
E--> 3078 1               5                  10                  15
     3081 Arg Thr Thr Leu Pro Gly Gly Leu Arg Val Val Thr Glu Phe Leu Pro
     3082             20                  25                  30
     3085 Ala Val His Ser Ala Ser Val Gly Val Trp Val Gly Val Gly Ser Arg
     3086         35                  40                  45
     3089 Asp Glu Gly Ala Thr Val Ala Gly Ala Ala His Phe Leu Glu His Leu
     3090     50                  55                  60
     3093 Leu Phe Lys Ser Thr Pro Thr Arg Ser Ala Val Asp Ile Ala Gln Ala
     3094 65                  70                  75                  80
     3097 Met Asp Ala Val Gly Gly Glu Leu Asn Ala Phe Thr Ala Lys Glu His
     3098                 85                  90                  95
     3101 Thr Cys Tyr Tyr Ala His Val Leu Gly Ser Asp Leu Pro Leu Ala Val
     3102             100                 105                 110
     3105 Asp Leu Val Ala Asp Val Val Leu Asn Gly Arg Cys Ala Ala Asp Asp
     3106         115                 120                 125
     3109 Val Glu Val Glu Arg Asp Val Val Leu Glu Glu Ile Ala Met Arg Asp
     3110     130                 135                 140
     3113 Asp Asp Pro Glu Asp Ala Leu Ala Asp Met Phe Leu Ala Ala Leu Phe
     3114 145                 150                 155                 160
     3117 Gly Asp His Pro Val Gly Arg Pro Val Ile Gly Ser Ala Gln Ser Val
```

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```
3118                 165                 170                 175
3121 Ser Val Met Thr Arg Ala Gln Leu Gln Ser Phe His Leu Arg Arg Tyr
3122             180                 185                 190
3125 Thr Pro Glu Arg Met Val Val Ala Ala Ala Gly Asn Val Asp His Asp
3126         195                 200                 205
3129 Gly Leu Val Ala Leu Val Arg Glu His Phe Gly Ser Arg Leu Val Arg
3130     210                 215                 220
3133 Gly Arg Arg Pro Val Ala Pro Arg Lys Gly Thr Gly Arg Val Asn Gly
3134 225                 230                 235                 240
3135  Ser Pro Arg Leu Thr Leu Val Ser Arg Asp Ala Glu Gln Thr His Val
3136                 245                 250                 255
3139 Ser Leu Gly Ile Arg Thr Pro Gly Arg Gly Trp Glu His Arg Trp Ala
3140             260                 265                 270
3143 Leu Ser Val Leu His Thr Ala Leu Gly Gly Gly Leu Ser Ser Arg Leu
3144         275                 280                 285
3147 Phe Gln Glu Val Arg Glu Thr Arg Gly Leu Ala Tyr Ser Val Tyr Ser
3148     290                 295                 300
3151 Ala Leu Asp Leu Phe Ala Asp Ser Gly Ala Leu Ser Val Tyr Ala Ala
3152 305                 310                 315                 320
3155 Cys Leu Pro Glu Arg Phe Ala Asp Val Met Arg Val Thr Ala Asp Val
3156                 325                 330                 335
3159 Leu Glu Ser Val Ala Arg Asp Gly Ile Thr Glu Ala Glu Cys Gly Ile
3160             340                 345                 350
3163 Ala Lys Gly Ser Leu Arg Gly Gly Leu Val Leu Gly Leu Glu Asp Ser
3164         355                 360                 365
3167 Ser Ser Arg Met Ser Arg Leu Gly Arg Ser Glu Leu Asn Tyr Gly Lys
3168     370                 375                 380
3171 His Arg Ser Ile Glu His Thr Leu Arg Gln Ile Glu Gln Val Thr Val
3172 385                 390                 395                 400
3175 Glu Glu Val Asn Ala Val Ala Arg His Leu Leu Ser Arg Arg Tyr Gly
3176                 405                 410                 415
3179 Ala Ala Val Leu Gly Pro His Gly Ser Lys Arg Ser Leu Pro Gln Gln
3180             420                 425                 430
3183 Leu Arg Ala Met Val Gly
3184         435
3672 <210> SEQ ID NO: 52
3673 <211> LENGTH: 20
3674 <212> TYPE: PRT
3675 <213> ORGANISM: Homo Sapiens
E--> 3677 <400> SEQUENCE: 53 (53 -> 52)
3679 Asp Tyr Met Gly Trp Met Asp Phe Gly Arg Arg Ser Ala Glu Glu Tyr
3680  1               5                  10                  15
3681 Glu Tyr Pro Ser
3682             20
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<210> 66
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Pitrilysin consensus sequence

<221> VARIANT
<222> (1)...(13)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (1)...(13)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (1)...(13)
<223> Xaa = Any Amino Acid

<221> UNSURE
<222> (0)...(0)

<400> 6611 -66
Gly Xaa Xaa His Xaa Xaa Glu His Xaa Xaa Xaa Xaa Gly
1 5 10

<210> 67
<211> 44
<212> PRT
<213> Artificial Sequence

<220>
<223> Pitrilysin consensus sequence

<221> VARIANT
<222> (1)...(44)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (1)...(44)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (1)...(44)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (34)...(34)
<223> Xaa = any amino acid or absent

<221> VARIANT
<222> (35)...(35)
<223> Xaa = any amino acid or absent

<400> 6712 - 67

Gly Xaa Xaa His Xaa Xaa Glu His Xaa Xaa Xaa Xaa Gly Xaa Xaa Xaa
1 5 10 15
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20 25 30
Xaa Xaa Xaa Asn Ala Xaa Thr Xaa Xaa Xaa Xaa Thr
35 40

<210> 68
<211> 44
<212> PRT
<213> Artificial Sequence

<220>
<223> Pitrilysin consensus sequence

<221> VARIANT
<222> (1)...(44)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (1)...(44)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (1)...(44)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (34)...(34)
<223> Xaa = any amino acid or absent

<221> VARIANT
<222> (35)...(35)
<223> Xaa = any amino acid or absent

<400> 6813 - 68

Gly Xaa Xaa His Xaa Xaa Glu His Xaa Xaa Xaa Xaa Gly Xaa Xaa Lys
1 5 10 15
Tyr Pro Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Leu Xaa Xaa Xaa Xaa Xaa
20 25 30
Xaa Xaa Xaa Asn Ala Xaa Thr Xaa Xaa Xaa Xaa Thr
35 40

1/67
32077PC01

Deleted

VERIFICATION SUMMARY DATE: 03/29/2005
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Input Set : **A:\PTO.SR.txt**
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L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:43 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
M:341 Repeated in SeqNo=2
L:485 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
M:341 Repeated in SeqNo=3
L:3078 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:15
L:3677 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:52 differs:53
L:3848 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:3852 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:66
L:3856 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:66
L:3860 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:66
L:3863 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:66
L:3863 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:66 differs:6611
L:3864 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6611 after pos.:0
L:3877 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:3881 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:67
L:3885 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:67
L:3889 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:67
L:3893 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:67
L:3897 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:67
L:3897 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:67 differs:6712
L:3898 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6712 after pos.:0
M:341 Repeated in SeqNo=67
L:3915 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:3919 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:68
L:3923 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:68
L:3927 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:68
L:3931 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:68
L:3935 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:68
L:3935 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:68 differs:6813
L:3936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6813 after pos.:0
M:341 Repeated in SeqNo=68